

W I S C O N S I N

Architect

Cultural and Religious Architecture

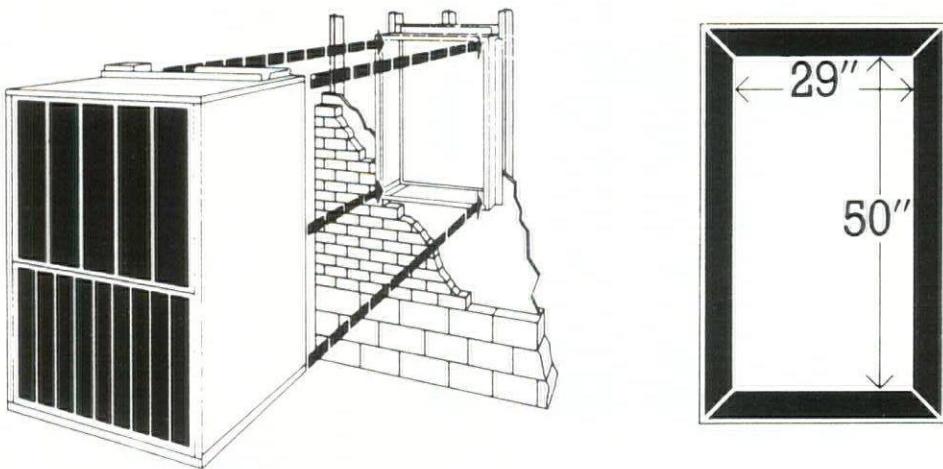
Golda Meir Library Addition

Manitowoc Maritime Museum

The American Institute of Architects
Information Center
1735 New York Ave., NW
Washington, D.C. 20006



GIVE Magic-Pak® A LITTLE OPENING



and you can have the finest
heating & cooling system available for
apartments, condos, and office complexes

- Sealed Combustion Design
- No Chimney or vent Pipes Required
- Slides into Wall Sleeve for Easy installation
- Provides Low Cost Gas Heating
- Heating & Cooling in One Cabinet with Ducted Central System
- Insures High Occupancy Rate in Rental Units
- Over 300,000 Installed — Many in Wisconsin

For literature and specifications or appointment for demonstration, please feel free to call:

MONROE EQUIPMENT INC.

N113 W18825 Carnegie Drive, Germantown, Wisconsin 53022

(414) 255-2610 Toll-Free Statewide (800) 242-9398

Member Metropolitan Builders Association of Greater Milwaukee and Madison

Gas: Wisconsin's best energy value.



WISCONSIN

Architect

Projects

7 New Upper School, University School Milwaukee
BHS Architects, Inc.

10 First Congregational United Church Of Christ
Herbst Eppstein Keiler & Chadek, Inc.

13 Divine Word Church Piazza And Bell Towers
Kubala Washatko Architects, Inc.

19 Charlson Memorial Chapel
Ayres Associates

31 Addition To St. John United Church Of Christ
Kubala Washatko Architects, Inc.



Features

16 Golda Meir Library Addition
Robert D. Cooper AIA

21 The Not So Trivial Pursuit Of Painting
Grace B. Stith

26 A Heritage With A Future
Patricia Keating

Magazine Staff

Editor
William Babcock

Coordinating Editor
Grace Stith

Graphic Consultant
Steve Quinn

Advertising Manager
Nancy Baxter

Internship Program

Advertising Sales
Alexandra Spaulding
Eric Schilder
Graphic Art
Kendal Morris

Departments

5 Guidelines

33 Forum

34 Society News

38 Marketplace

Cover Photo: Divine Word Church
Piazza And Bell Towers
Cedarburg, Wisconsin
Photographer: Mark Gubin

WISCONSIN ARCHITECT, serving the construction industry in Wisconsin with circulation to Architects, Engineers, General Contractors, Business and Interior Designers, Landscape Architects, Certified Planners, Developers, Specifiers, Construction Managers, Builders, Manufacturers, Suppliers. **WISCONSIN ARCHITECT** is the official publication of the Wisconsin Society of Architects/A.I.A., published by Wisconsin Architect, Inc. Address all editorial and advertising inquiries to: Editor, Wisconsin Architect, 321 S. Hamilton St., Madison, WI 53703; phone: 608/257-8477. Wisconsin Architect and WSA disclaims liability for statements by the editors, contributors, and advertisers.

PAVERS?

PAVERS!

Piazza: Divine Word Catholic Church
Cedarburg
Architects: Kubala Washatko Architects

SEVERE WEATHER GRADE
INTERLOCKING CONCRETE
PAVERS MANUFACTURED

BY

BEND

BEND INDUSTRIES INC.

(414) 334-5557

2929 PARADISE DRIVE WEST BEND WI 53095

This issue deals with the educational, cultural, and spiritual concerns of man.

Take time to visit

*We share with a retired architect his joy in painting. We study two churches and a bell tower
some of Wisconsin's*

*project, each designed for a thoughtful congregation. A new maritime museum is built while
cultural buildings —*

threatened by record high lake levels.

both old and new.

And finally — the Golda Meir Library addition is completed — another architectural monument

to greater learning. It is fitting to remember that the world leader for whom the library is named

received her basic education in what Milwaukee had to offer back in the years 1906-1917.

*Grace Stith
Coordinating Editor*

SPACE SAVING SPLIT SYSTEM.

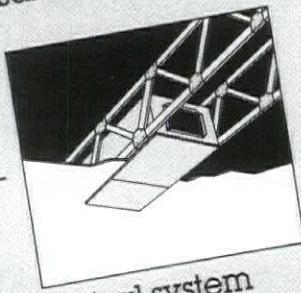


Specify Suburban Dynatwin.

The Suburban Dynatwin gas heat/electric air central system can give you more usable floor space in multi-level projects.

The small inside unit—a sealed combustion furnace only 10½" high—easily installs between floor or ceiling joists during construction. And it vents horizontally. So there's no need to waste space running vertical flue pipes.

Specify the only space-saving central system with horizontal venting available today: Suburban Dynatwin.



SUBURBAN

Suburban Manufacturing Company
Box 399, Dept. H, Dayton, TN 37321
Phone: (615) 775-2131

WISCONSIN DISTRIBUTORS

TSI
MADISON
(608) 271-7500

AUER STEEL
LIKE AUER SERVICE
MILWAUKEE
(414) 463-1234

KMS
KERSCHER
METAL SERVICE CO.
GREEN BAY
(414) 242-2854

Gas: Wisconsin's best energy value.



Wisconsin
Blue Flame
Council

Project

Architect

General Contractor

Location

New Upper School, University School Milwaukee

BHS Architects, Inc.

Oscar J. Boldt Construction Company

River Hills, Wisconsin



The solution which the architect developed revolves around two interconnected lobbies. These spaces are located at one end of the existing dorm building. It was determined by the architect that the dorm, which had been vacant for years, could be readily converted to administration, library, art, and music rooms. The other main wings of the building — classrooms, theater, dining, and athletics — all radiate from the central lobby spaces.

The site design solution placed the new classroom wing in such a location as to further enclose the existing courtyard. Bus, faculty/student parking traffic was separated from

visitor traffic in the courtyard. The athletic fields were developed on the north side of the site, adjacent to the new indoor athletic facilities.

The exterior design responds to the clients desire to be compatible but distinctive. A new clock tower which contains a main stair was created as a focal point to mark the entry to the Upper School. The size of the tower was purposely kept smaller than the existing bell tower, which remains the focal point for the entire campus.

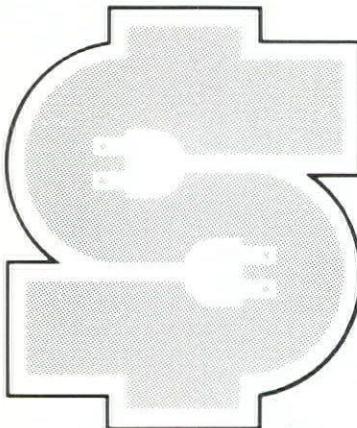
*Photography: Peter Schuyler, exteriors
Bagley Studios, interiors*



Give your clients more than they asked for.

Wisconsin Electric's Smart Money Energy Program can help you save your clients energy and money. That's good for them—and it's good for your client relationship.

We can provide financial incentives like interest-free loans to help pay for certain energy efficiency improvements. Standard rebates on specific energy-efficient products. Even customized rebates to help you design your own conservation programs. We can analyze the cost-effectiveness of



investing in proven efficiency measures, based on your client's needs and budget.

And we can keep you up-to-date with all the latest news from the rapidly evolving field of energy management.

For more information, call your local Wisconsin Electric district office or (414) 221-4900. We'll help your clients save energy and money. And that makes you look good.

Now that's Smart Money.



**Wisconsin
Electric**
POWER COMPANY

Smart Money Energy Program

Available to Wisconsin Electric customers only. Other restrictions may apply.

Behind the Beauty...

...The economy, strength and durability of precast/prestressed concrete total-frame office buildings from J.W. Peters.

Dazzlingly beautiful exterior shapes and finishes accommodate any architectural vision. High-strength structural components allow almost unlimited freedom in the design of interior space.

Faster construction. Lower maintenance. Better fire ratings. Greater energy efficiency. All possible with precast concrete. All achieved by J.W. Peters.

VERSATILE, REPUTABLE, RELIABLE

JW PETERS
AND SONS, INC.

34212 West Market Street • Burlington, WI 53105 • (414) 763-2401
(312) 782-4691 (Chicago) • (414) 272-7222 (Milwaukee)

Owner:
Association Life Insurance Co.
Architect/Engineer:
Torke-Wirth-Pujara, Ltd.
General Contractor:
Inland Development Corp.

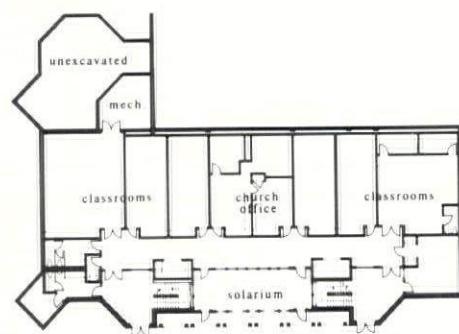
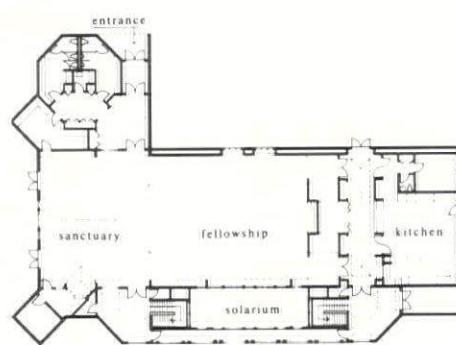
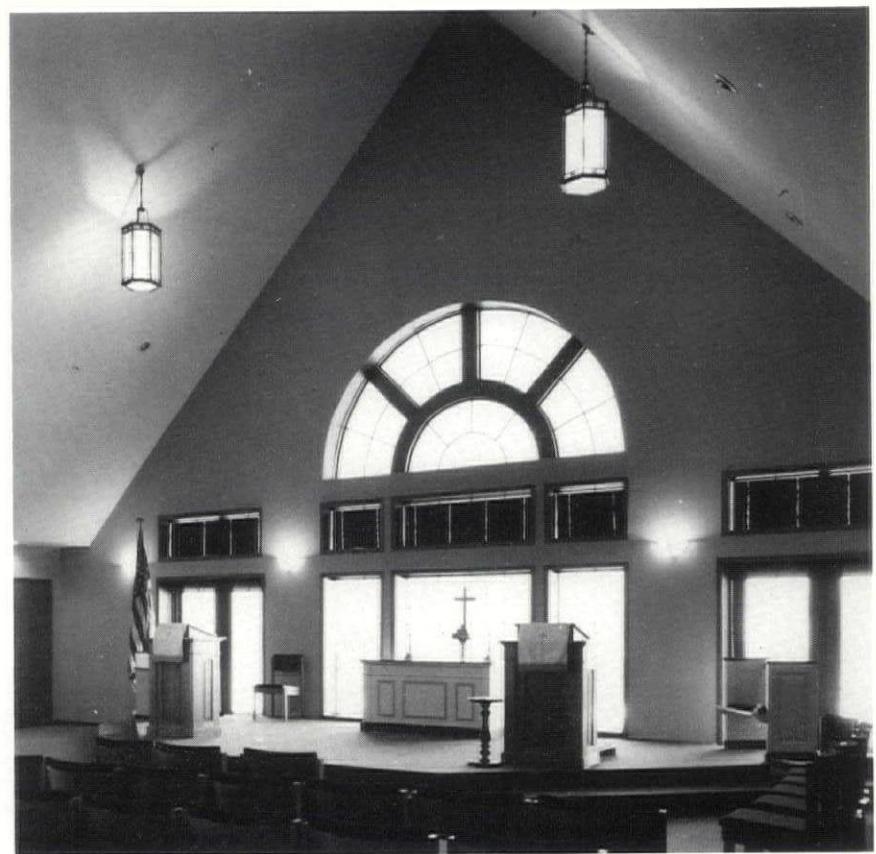
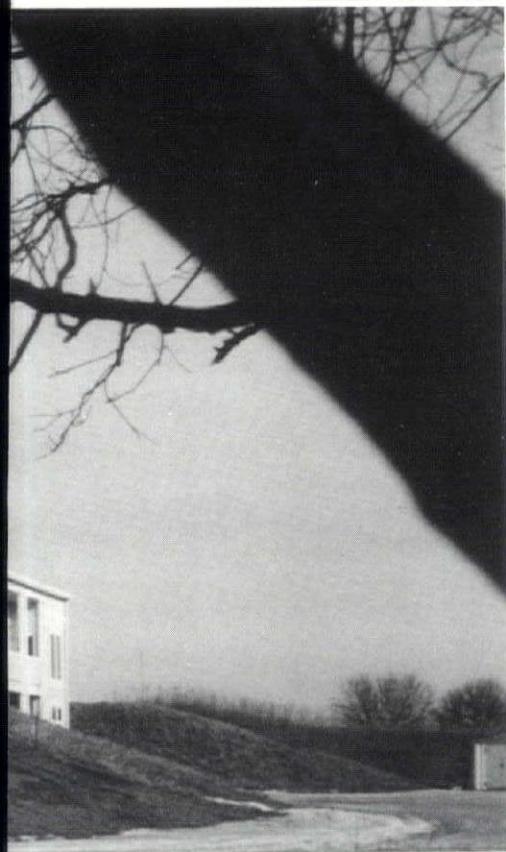


High utility bills was a main consideration for this congregation in giving up their 130 year old church and building anew. The architects' solution has resulted in one of the first earth shelter "envelope system" churches in the Midwest.

This system was based on two considerations — operational and maintenance costs and perfect adaptability of the new site, which has a south-facing slope. Building into the hill created a natural two-level solarium. From the upper level of the facility, the church has a traditional appearance, an important feature for members of this congregation. It also enhances the prairie-land beauty of the site and has parking space at both levels.

Inside, the design utilizes 1980s methods of solar passive design and flexible use of space. Limited budget resulted in a phased building design to be completed as funds are available. A large space with moveable seating and folding partitions is used until the permanent sanctuary is completed in the final phase, at which time it will be converted to a fellowship hall. Other aspects of the design include a small chapel, classrooms, offices, and kitchen with long-range plans for a nursing home or school complex.

*Photography: John I. Lottes, exteriors
Eric Oxendorf, interiors*



There are differences between roof windows and skylights.



Roof Windows

Both VELUX® roof windows and skylights can make an important contribution to the beauty of your home. Both bring in warming solar energy and provide a dramatic and exciting feeling of openness and light. Both create imaginative new solutions to adding rooms and saving money. Both are surprisingly affordable, especially when you consider all their benefits.

The differences are straightforward. A roof window opens and pivots so both glass surfaces can be cleaned from inside. A skylight does not pivot for cleaning. Roof windows are ideal in easy to reach applications. Skylights are an excellent choice for overhead applications. All VELUX models have optional sun screening accessories which are easy to operate with simple manual or remote controls.



Sales, Warehousing and Service Nationwide

Mail this coupon. We'll send you a free copy of "The Complete Guide to Roof Windows and Skylights," and a price list within 24 hours.



Skylights

There are other facts about VELUX roof windows and skylights which are even more important to you—their quality construction will provide performance and satisfaction for years to come. Only VELUX roof windows and skylights will make the reality of a light-filled home as wonderful as the dream. They're designed for problem-free reliability, backed by our record of customer recommendation and repeat business. You'll never regret the day you chose VELUX roof windows or skylights to increase the value and livability of your home.

See all the possibilities for yourself. Send for our FREE 28 page color brochure, pricing information and a list of VELUX dealers in your area.

VELUX® The world leader
in roof windows and skylights.

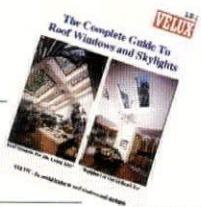
©1987 VELUX-AMERICA INC.
® VELUX is a Registered Trademark.

FREE 28 page full color brochure

Name

Address

City/State/Zip



3WA1187



THE BOLD LOOK
OF **KOHLER**®

The Thunder™ Grey of a rainstorm. The Tender™ Grey of dawn. Two beautiful new greys from Kohler. Let them bring strength or delicacy to your bath or powder room. To find out where and how, see the whole line of Kohler possibilities at your nearest Kohler distributor or write Kohler Co., Dept. 100, Kohler, Wisconsin 53044.

C5049 Copyright 1985 Kohler Co.

"ATTENTION ARCHITECTS!"
FOR YOUR NEXT PLUMBING
OR HEATING PROJECT, CONSULT
WITH YOUR LOCAL KOHLER DISTRIBUTOR
LISTED HERE.

APPLETON

Baker Manufacturing Co.
550 Hickory Farm Lane
Appleton, WI 54913
Telephone: (414) 734-9284

W. S. Patterson Co.
2100 W. College Ave.
P.O. Box 1177
Appleton, WI 54912
Telephone: (414) 739-3136

GREEN BAY

Murphy Supply Co.
1055 Lake St.
P.O. Box 19310
Green Bay, WI 54310-9310
Telephone: (414) 497-7004

MADISON

Automatic Temperature Supplies, Inc.
1023 E. Main St. (53703)
P.O. Box 1151 (53701)
Madison, WI
Telephone: (608) 257-3755

MILWAUKEE

Milwaukee P & H Supply Co.
1313 W. St. Paul Ave.
P.O. Box 2158
Milwaukee, WI 53201-2158
Telephone: (414) 273-3600

United P & H Supply Co.
9947 W. Carmen Ave.
P.O. Box 25342
Milwaukee, WI 53225
Telephone: (414) 464-5100

W. S. Patterson Co.
12400 W. Silver Spring Dr.
Milwaukee, WI 53007
414-783-6500

RHINELANDER

W. S. Patterson Co. (Branch)
1672 Menominee Dr.
Rhineland, WI 54501
Telephone: (715) 362-7824

WISCONSIN RAPIDS

W. S. Patterson Co. (Branch)
2111 Engel Road
Wisconsin Rapids, WI 54494
Telephone: (715) 421-1585

Project

Architect

General Contractor

Location

Divine Word Church Piazza and Bell Towers

Kubala, Washatko Architects, Inc.

E. H. Moldenhauer & Sons, Inc.

Cedarburg, Wisconsin



The new towers were placed so as to anchor and define the new piazza, extending a sense of enclosure out from the front doors of the church. This meeting area is protected from automobiles, sheltered by trees, and demarcated by light bollards which give the piazza spatial definition by night as well as by day. The bronze bells of the bell tower are completely exposed, swinging freely and animating the piazza when they ring. The Carillon tower, which is the larger of the two, is conceived in more plastic

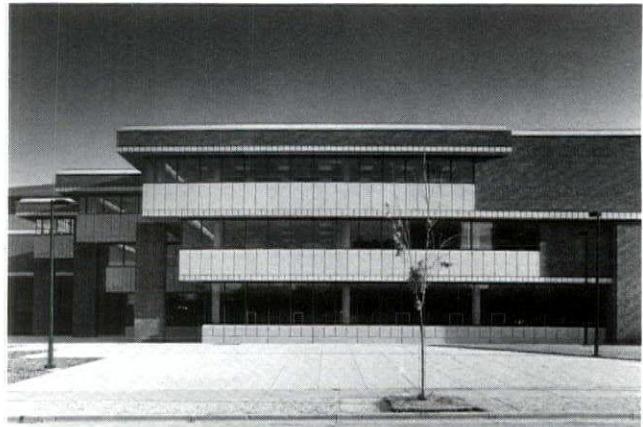
terms: its slashing hollow space displays a set of abstract variations on the image of the cross as the viewer approaches or moves around it. The cross, made of empty space and open to the sky, makes a symbolic connection between the church, the heavens, and the world at large, since the carillon tower is visible for considerable distances along Highway 60.

Photography: Mark Gubin



by Robert D. Cooper, AIA
photography by Allan Magayne-Roshak

Golda Meir Library Addition



Adding to an existing campus landmark building is a difficult challenge for an architect, particularly when that building is the campus library used by nearly 2,000,000 students, faculty, and community patrons each year. The Golda Meir Library, containing 3.5 million items, is the single, centralized library for the University of Wisconsin-Milwaukee and a focal point for the campus. A joint venture of Miller Meier Kenyon Cooper and The Durrant Group was formed to design the third stage expansion of this facility. The addition required 113,000 gross square feet of new library space compatible with the architectural presence of the existing building (266,000 sq. ft. built in two stages, 1967 and 1974). Further complicating the design effort was a complex program detailing the administrative, media, audio, microfiche/microform, archives, rare book, reserve book, computer, and compact shelving space requirements in addition to the normal book stack areas and reading rooms.

An earlier campus plan showed the third stage as a tower at the center of the library complex. Exploration of this concept, in light of the library's new program requirements, determined that the tower concept was incompatible with current library design and use criteria. Further work with the UWM Library Building Committee resulted in a scheme that allowed the building to

grow as needed to meet program requirements. The final design consists of additions to the building in three separate areas providing contiguous space to existing bookstacks and administrative units, expansion of the science/technology section adjacent to its current lower level location, and a new fourth floor rare books and conference facility located over the building's central court, the latter providing an exciting new focal point for the library and for the University.

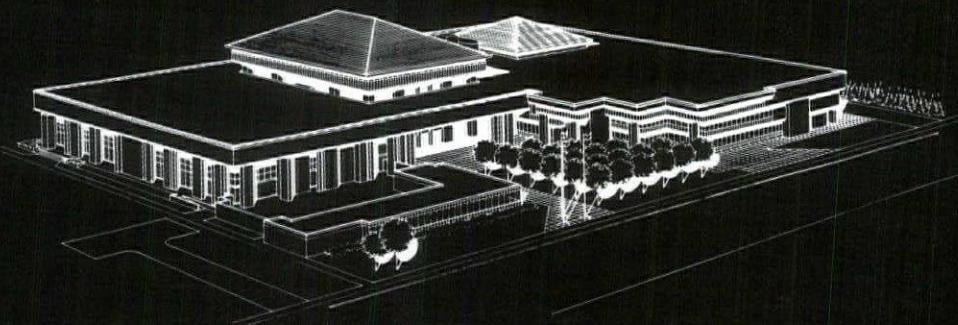
The first of the three additions of the Stage III construction phase is a four floor addition to the northwest corner of the original 1967 building facing Hartford Avenue. This addition's west facade is a visual extension of the original building, matching the materials, detailing, and brick collonading of the original library. On the north and east facades, the building varies from the original design, opening up to views of the campus and introducing natural light into the library through horizontal glazed areas. Original brick and precast detailing is respected, thereby unifying the new and original portions of the building. The addition steps outward as it rises to carry through the horizontal stepping established in the Stage I design. These horizontal projections are greater to the east than to the north in order to protect the east-facing glazed areas from early morning direct sun penetration. The 27' x 27' structural module of the building was extended to this addition for flexible expansion of bookstack space on the second and third floors, which are contiguous with existing general collection areas.

Technical Services functions had been previously split between the first floor and lower level. With the new addition, all lower level technical services space was moved to join the first floor technical services area, adjacent to existing administrative offices. This move increases office efficiency and provides for future flexibility. The newly created lower level area is used for compact shelving, increasing the library's book storage capacity by use of high density mobile shelving, which reduces the number of aisle spaces required between stacks. Powered by electrical motors, these high density units open at the touch of a button, providing users with efficient access to hundreds of thousands of volumes. Fail-safe systems shut off all stack operation in the shelving unit when a reader is in the opened aisle.

In the second addition, the lower level science and technology area was expanded toward the north at the northeast corner of the building. A north-facing clerestory, visible from Hartford Avenue, brings natural light into this new lower level which expands library capacity by adding compact shelving and reading/study space. This structure is designed for vertical expansion to accommodate the future growth of library holdings.

A new visual presence for the library is the third addition of Stage III, a fourth floor rare books facility located in the center of the structure, supported on the massive structural columns originally designed and built in 1974 for a then-envisioned future tower





structure. This space contains secure rare book storage areas, reading rooms, staff work areas, rare book display space, and a seminar/conference room. Rooms on this floor overlook the campus with views to downtown Milwaukee to the south, Lake Michigan to the east, and Downer Woods and Shorewood to the north. Horizontal windows are shaded by the roof overhang and are made of glass with an ultraviolet filter to protect rare books from UV damage. The exterior is precast concrete wall panels with a glazed clay tile roof and copper fascia to match the original building's air-conditioning penthouse roof. The conference/seminar room, which can seat 300 people, is already much in demand for a variety of campus and community meetings of both an educational and social nature.

Combined with these new building additions is a sensitive and creative remodeling of the Stage II portion of the library which included building a new floor, reconfiguration of the first floor reserve book room, and construction of three media viewing rooms (two seating fifty people and one seating thirty) with a central projection room. The viewing rooms are designed for film, slide, and video projection and are served by the central projection room, which is designed to allow all three rooms to be used simultaneously. Also included are media preview rooms, projection equipment maintenance areas and a microcomputer laboratory for student use.

These three Stage III additions were positioned to allow the existing building lobby and circulation desk to remain the security control point for the entire building. Except in emergency situations, all library patrons must enter and exit the building through this lobby, thereby increasing control and minimizing book theft. A new elevator, serving all floors from the lower level to the new conference center, was added. The elevator entrance is in the lobby, again bringing patron traffic to this central point in the building.

The project budget was \$14.3 million, which included \$11.3 million for the third stage addition, \$1 million for remodeling, and \$2 million in energy conservation work in the 1967 and 1974 portions of the building (i.e., improvements in HVAC, installation of thermopane windows, and replacement of 2,000 light fixtures).

By adding to the Golda Meir Library in this way, a campus landmark was expounded so the resulting composition reads as a complete entity. Compatible materials, sympathetic detailing, and sensitive massing have produced a unified facility which meets the Golda Meir Library's present needs and will provide flexibility as the library moves to meet future needs. General contractor for this project was Nelson, Incorporated of Wisconsin.



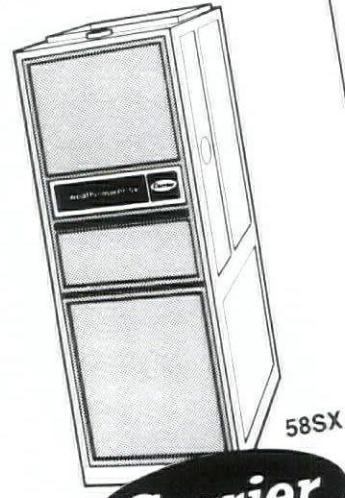
THE HEAT IS ON WITH CARRIERS 97.3% EFFICIENCY

Now's a great time to move up to today's superior heating technology. Carrier heating systems bring you that superb Carrier comfort, plus:

- **Low operating costs** — with Carrier's high efficiency.
- **The biggest selection** — of models, so there's one that's perfect for every home.

**THE WEATHERMAKER —
OUR MOST EFFICIENT
GAS FURNACE!**

- 92 to 97.3% efficient (official A.F.U.E. rating). Saves nearly 50% compared with typical old furnaces!
- **Our highest quality** — Lifetime limited heat exchanger warranty. Call for details!
- **Super-quiet** — Our quietest ever!



Carrier[®]

WISCONSIN DISTRIBUTORS

TSI
MADISON
(608) 271-7500

AUER STEEL
A HEATING SUPPLY CO.
MILWAUKEE
(414) 463-1234

KM'S
KERSCHER
METAL SERVICE CO.
GREEN BAY
(414) 432-2911

Gas: Wisconsin's best energy value.

Wisconsin
Blue Flame
Council

Project
Architect
General Contractor
Location

Charlson Memorial Chapel
Ayres Associates
Dell Construction
Eau Claire, Wisconsin

Recent major building projects at Luther Hospital relocated the main entrance from its location adjacent to the Chapel. Long range plans included moving the Chapel nearer to the Critical and Acute Care Units on the fourth floor, and 500 square feet of conference room space was designated for this purpose.

Completed in May, 1987, the new chapel is designed in an elliptical shape with deeply recessed entrance doors and windows to give the user a sense of quiet enclosure and separation from

hospital activity. Stained glass panels in the windows and doors afford privacy and add color and visual interest. The elliptically shaped, fabric-covered walls are accented with horizontal bands of dark mahogany trim that match the mahogany chapel chairs, center table, and lectern. The banding is repeated between the two outer doors where polished brass letters identify the room as the Charlson Memorial Chapel.

Photographer: James Christoffersen



Will The Skylight You Design Stand Up To Heavy Snow?

If you're not sure, call us.

We're Weather-Tek. And we do more than supply roofing materials. We supply answers. At no charge, our consultants can show you how skylights can better withstand the elements—or provide better energy savings. On top of that, we offer an array of quality roofing products. Each backed by a full warranty. So if you have questions about skylights—or anything else—give us a call. You'll find our problem-solving capabilities as dependable...as our products.

(414) 425-3322

CARLISLE NATURALITE Metal-Era

*Roofblock, Ltd. • Humane Equipment Co. • Envirospec Corp. • Fortifiber Corp. • Lucas Sales Co. • Diversiform Corp. • Con-Stone Products, Inc.

WEATHER-TEK
BUILDING
PRODUCTS, INC.



P.O. Box 544
6151 South 108th St.
Hales Corners, WI 53130
(414) 425-3322

Quality

The meaning of quality, as such, is difficult to define, for it is somehow intuited in the presence of the work in which it is embodied. This has little to do with popular conceptions of beauty, taste, or style, and has nothing to do with status, respectability, or extravagance. It is revealed, rather, in an atmosphere of propriety and restraint.

Paul Rand

"Products of John Buhler Co., Inc."

CHALK & TACKBOARDS Claridge Prod. & Equip., Inc.

CHUTES

Midland Metalcraft Co.
— trash, linen & reusable demolition chutes.
— "Verti-spray" chute sanitizing system
Capitol Mail Chute Corp.
— mail chutes.

COAT RACKS

Bevco Company, Raymond Engineering, Inc.

COMPACTORS & TRASH HANDLING EQUIPMENT

Hico Co.
— hydraulic ram extruders & packers

CORNER GUARDS

CUBICLE CURTAIN & TRACK General Cubicle Co.

DIRECTORIES & DISPLAY CASES Andco, Claridge, Davson, Tablet & Ticker.

HAND DRYERS

A.S.I., Bobrick, Bradley, Parker & World Hand Dryer Co.

LOCKER REPAIRING — rebuild existing locker systems

MAILBOXES AND DELIVERY SYSTEMS

Bommer Co.
— mailboxes
Capitol Mail Systems Co.
— mail chutes & collection boxes

PROJECTION SCREENS

Draper Shade & Screen Co.
— roll up (manual or motor)
— rear projection
Brandon Company
— tilt screens

RAILINGS

A.R. Nelson
Sharon Ornamental Iron Co.
(Railco)

SHOWER COMPARTMENTS & TUB ENCLOSURES

Columbia Partitions Inc., Keystone, Metpar (see toilet compartments) & Showerite.

SIGNAGE

(complete signs or separate letters). (Interior or exterior).

(Stock or custom made). Andco, Inc., Best Mfg. Co., Central Engraving Co., Metal Arts Co., Spangler Bros., Davson, Supersine Company, ZAX

SKYLIGHTS & SMOKE HATCHES

Bristolite Co., Skyline — plexiglass domes, sky vents, pyramids, smoke hatches & stage vents.

STEEL STAIR SYSTEMS

Sharon Ornamental Iron Co.
(Econo Stair)

TOILET COMPARTMENTS

Metpar Steel Products Corp.
Columbia Partitions, Inc.

UNIT KITCHENS

Davis Company & Dwyer Co.

WASHROOM ACCESSORIES - COMMERCIAL

Accessory Specialties Inc., Bobrick, Bradley Co., & Parker Co.

WASHROOM ACCESSORIES - RESIDENTIAL

Cweco Co., Hallmark-Nutone, Lawson Co., Miami-Carey Co., Saferail, Inc., etc.

We stock toilet partitions, bathroom accessories and skylights.



**JOHN BUHLER COMPANY, 1331 N. 29TH STREET,
MILWAUKEE, WISCONSIN 53208 414-344-9157**

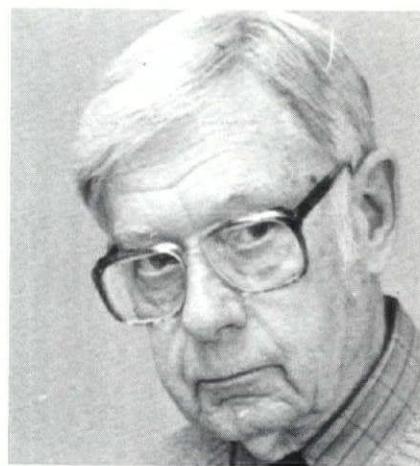
"John Buhler Co. participated in one way or another in many of the Wisconsin projects featured in this issue."

WE INSTALL AND SERVICE MOST OF THE ABOVE ITEMS

Steven Quinn Design
Graphic Design consultation
for the architect.
2612 North Maryland
Milwaukee, Wisconsin 53211
414 332 2483

*The
Not-So-Trivial*

By Grace B. Stith



**PURSUIT
OF PAINTING**

*"If you don't practice
you don't learn to play. If you keep at it,
maybe someday you'll get somewhere.
Someday maybe I will. I still haven't gotten
to where I want to be, but it's been
interesting."*



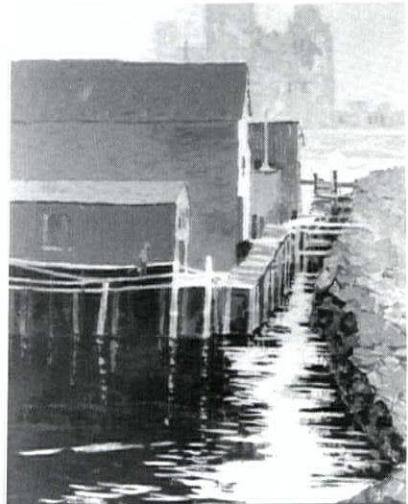
After nearly 50 years in architecture — 25 years as employee and 24 years running his own office — Ted Irion of Oshkosh has time to paint.

He can transfer a creative idea or impression to white paper without the compromising influence of client, building committee, or code regulations. It can be a satisfying hobby. In the case of Irion it has become a way of life in retirement.

His acrylic works have been on exhibit at various places, including one-man shows in Neenah and Oshkosh. Private collections in Oshkosh, Chicago, Cincinnati, and Atlanta contain some of his works. Though his paintings have won some prizes at fairs, the artist prefers to rely on word-of-mouth publicity. One painting was purchased by the Japanese Embassy from an exhibit of Wisconsin Art, which Congressman Tom Petri always has on display in his office.

Irion's architectural drawing began in 1925 in the office of Auler, Jensen, and Brown. He then obtained his degree from Armour Institute of Technology in Chicago.

"As a student I barely got by in water color classes," Irion recalls. "But the architectural department was on the upper floors of the Art Institute and I passed through their galleries each day to and from classrooms. At that time I didn't know what great things I was seeing, but some of it must have brushed off."





His work is quite diverse. Each painting represents something in life that "attracted his attention". What we see on the canvas is his creative interpretation of that thing. Most works are landscapes developed from photographs he has taken locally or when traveling. Many are architectural subjects and some contain animals or people. They vary from vague impressions to detailed draftsmanship.

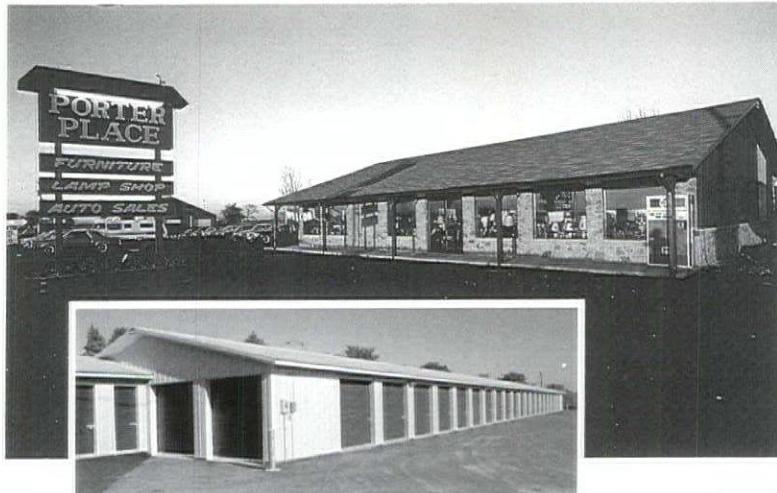
The artist prefers to work with acrylics because they dry fast. "This makes for rapid painting and discourages fussiness," Irion explains with a quick smile.

Visiting the great art museums in and outside the country stimulates ideas and techniques. He remembers a group of Rembrandt's works on display in Amsterdam.

"How he took one little flick of white and put a highlight on it. It was so simple, but at a distance it was excellent. All these things do make a lasting impression, I guess."

Working regularly, Irion paints in a studio at home where he can control the light. He compares painting to playing the piano, "If you don't practice you don't learn to play. If you keep at it, maybe someday you'll get somewhere. Someday maybe I will. I still haven't gotten to where I want to be, but it's been interesting."





Wick: Business building business.

Wick knows what it takes to build a successful business.

After all, we've dedicated more than 30 years toward designing and constructing quality buildings for businesses across the Midwest.

Using our proven post-frame construction technique and professional engineering, Wick can help you plan a building that meets your needs best, utilizing the most efficient layout to save you time and labor.

What's more, Wick builds economy and flexibility into every design. Which means you can enjoy energy-saving features to keep monthly operating costs low and choose from a wide range of attractive colors and custom features to match your business needs and preferences.

Plus, you'll also save 20-40% over other construction methods.

At Wick, we make it our business to assure you of top quality construction and design. Business building business... That's Wick Buildings.



Wick Buildings®

A product of Wick Building Systems, Inc.

Mazomanie, WI 53560

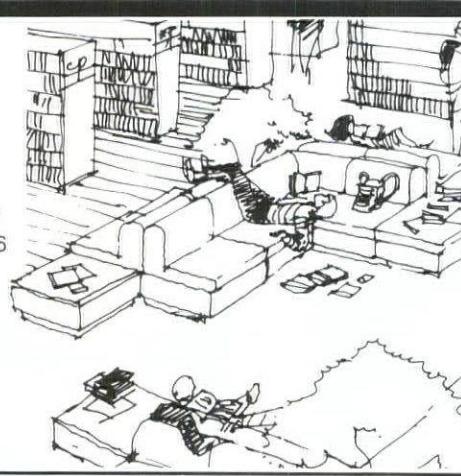


LANDSCAPE FORMS
431 LAWNDALE AVENUE
KALAMAZOO, MI 49001-9543
616/381-0396 800/521-2546

Bill Quinlan

2140 North Halsted
Chicago, IL 60614
312/871-8810

THE PUBLIC SPACE FURNITURE COMPANY



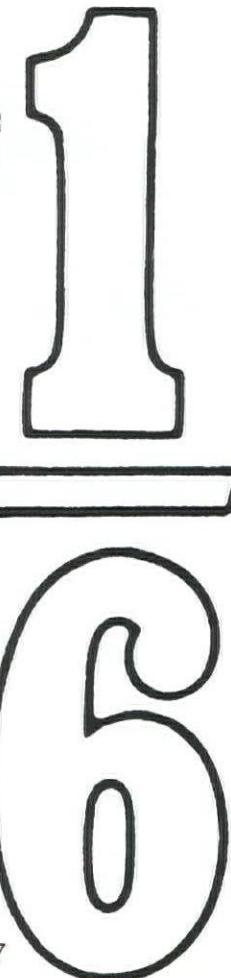
PBBS EQUIPMENT CORPORATION

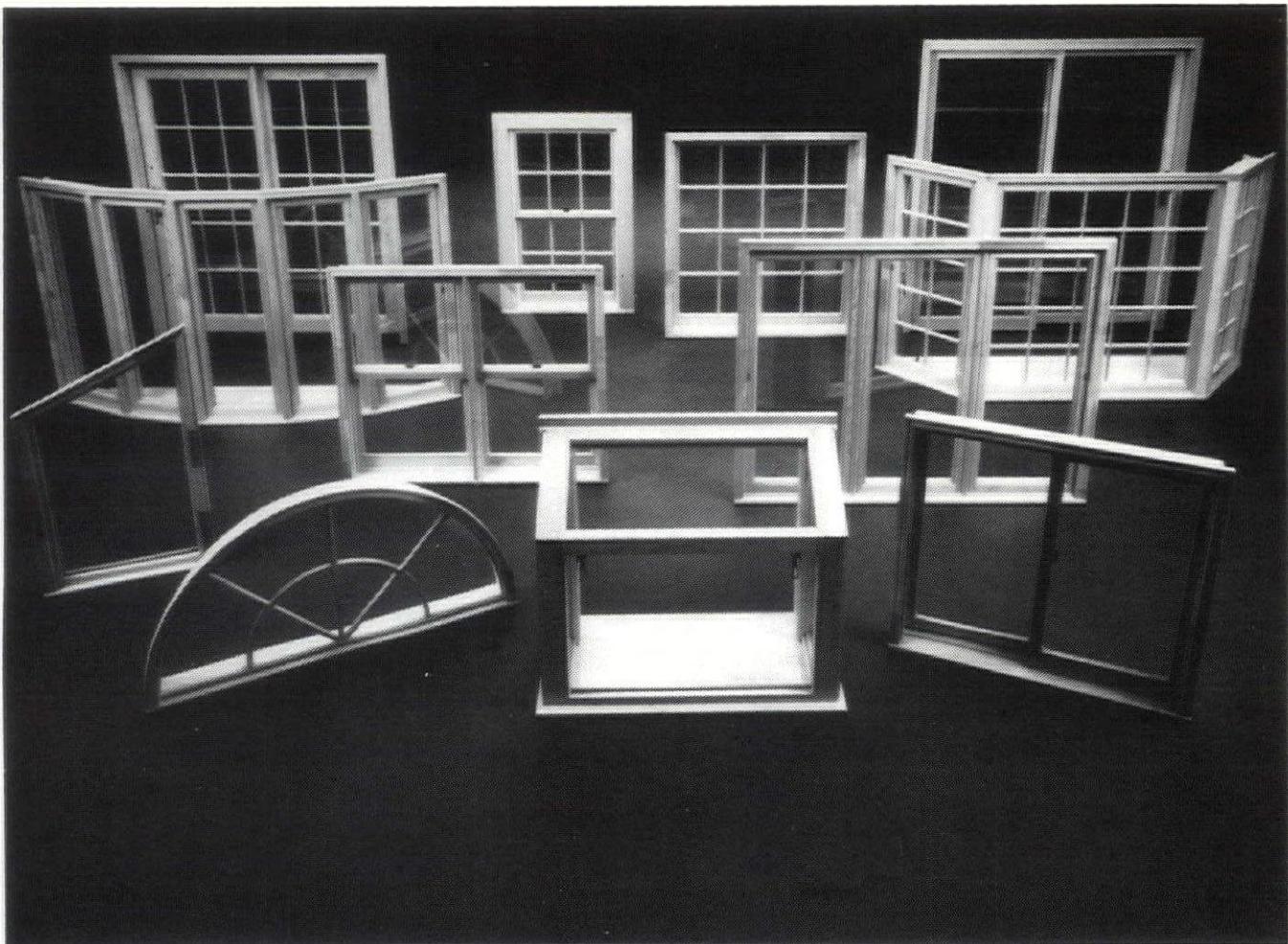
5401 N. Park Dr.
Butler, WI 53007

24 HOUR. Radio Dispatch Truck Fleet for INDUSTRY, INSTITUTIONS, SCHOOLS, etc. AUTHORIZED PARTS & SERVICE FOR CLEAVER — BROOKS, CLEVELAND CONTROLS, MORR CONTROLS CO. Throughout Wisconsin & Upper Michigan. SALES, BOILER ROOM ACCESSORIES, O² Trims, And-Car Automatic Bottom Blowdown Systems. SERVICE - CLEANING ON ALL MAKES. Complete Mobile Boiler Room Rentals.

MILWAUKEE	(414)781-9620
MADISON	(608)249-6604
GREEN BAY	(414)494-3675
STEVENS POINT	(715)344-7310

IF YOU'RE
AN
ADVERTISER
WHO NEEDS
A LITTLE
SPACE
LIKE
THIS
ONE-SIXTH
PAGE,
CALL
OUR
OFFICE
TODAY.
YOU'LL
FIND OUT
YOU
DON'T
HAVE TO
SPEND
A LOT
TO REACH
THE
PEOPLE
WHO
DESIGN
A LOT.
(608) 257-8477





HERE IN ITS SIMPLEST FORM IS A MARVIN WINDOWS CATALOG.

Most window manufacturers make just a few standard shapes and sizes. Marvin offers you thousands to choose from. With everything from authentic divided lites to Round Tops.

All Marvin windows are constructed of fine-grained Ponderosa pine. This wood was chosen for its excellent insulating properties and the way it accepts a stain-and-varnish or paint finish.

A variety of glazing options are available, including insulating glass and special energy-saving Low E glass. So heating and

cooling costs are significantly reduced. What's more, Marvin windows are carefully weatherstripped to eliminate drafts and further reduce energy loss.

And you don't have to wait a long time to have your windows made to order. Delivery is usually within three weeks from the time they receive the order.

Call or stop in today for complete details on Marvin Windows.

MARVIN
WINDOWS 
**ARE MADE
TO ORDER.**



There is no equal.

12030 W. Silver Spring Rd.
Milwaukee, WI 53225
(414) 464-8550
(800) 792-3504, Ext. 329

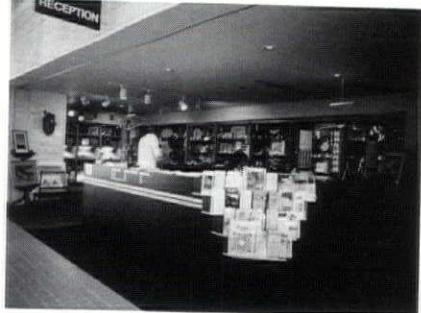
A Heritage with a Future

More than 20 years ago, a group of Manitowoc citizens consisting of World War II Navy veterans and maritime history buffs agreed that preservation of the rich Great Lakes maritime heritage could be accomplished through gathering collections of artifacts and memorabilia into a central exhibit available for public observation and enjoyment. Since its opening in 1969, the Manitowoc Maritime Museum has had several temporary homes, for the most part in donated, makeshift space. Visitors from all over the country strolled through the museum in increasing numbers every year and memberships rose significantly as recognition of the Manitowoc Maritime Museum as a leading tourist and educational facility in Wisconsin became evident.

In 1983, the Manitowoc Maritime Museum Board of Directors made the commitment to embark on a campaign to build a facility which would be designed specifically for the museum's growing programs and exhibits. Their challenge to Heike/Design Associates, Inc. was to design a living expression of the character and spirit of Manitowoc, its Lake Michigan shoreline and its great maritime history. Hoffman Brothers, Inc. of Two Rivers was General Contractor.

The new building is located on a north waterfront site near the city's harbor and burgeoning tourist development areas. The U.S.S. Cobia, a World War II submarine open for tours, is moored alongside, uniting this floating exhibit with the new building. A concrete-paved, banner-lined walkway with period lighting invites pedestrians to enjoy nearby waterfront attractions. These same colorful cloth banners are used on the street side of the building to draw





attention to the open structural steel, drive-up canopy and entrance. Straightforward, functional use of decorative, concrete block on the exterior facade, intentionally lacking detail, allows the building to blend with its surroundings making exhibits, both interior and exterior, the focal point. Research into other materials, forms and colors (black, red, white and rust) found up and down the Manitowoc River and Lake Michigan shoreline, were used in the building designed to be economical. The custom red aluminum window mullions and door frames is often found on seagoing vessels. The full height, glass wall entrance rounded at the top in the shape of a submarine periscope viewer, provides an outline for a barrel vault atrium through which there is a clear view of the conning tower of the U.S.S. Cobia from the front entrance.

Inside the museum lobby is the gift shop, reception/information desk and offices to the left and exhibit spaces to the right. The offices include a research library with over 5,000 volumes of books and periodicals chronicling maritime history as well as extensive photo and manuscript collections.

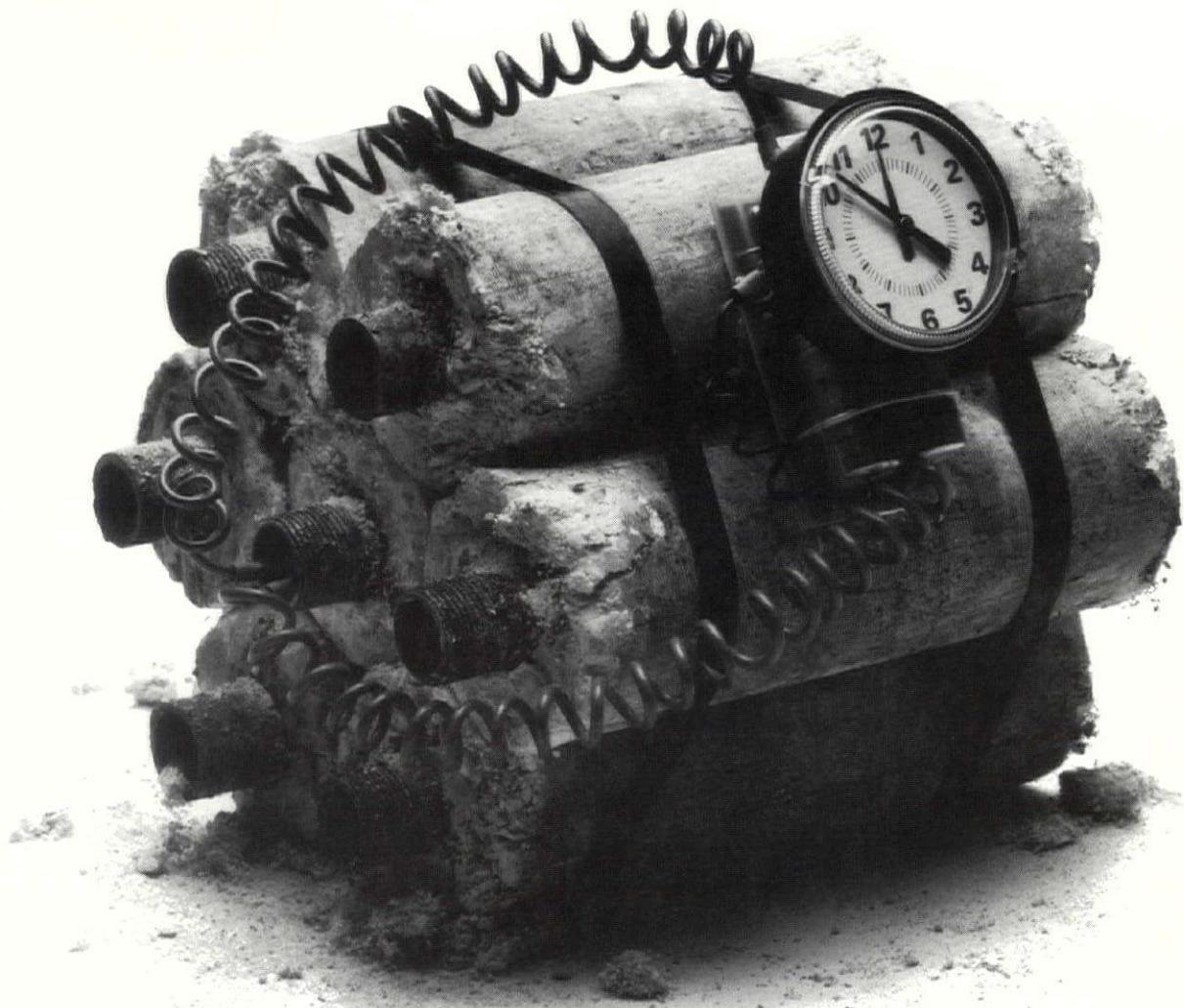
A special changing gallery presents various exhibits on historic vessels, small crafts, lifesaving, and commercial fishing. It overlooks the larger permanent exhibit on the lower level which presents a chronology of wood and metal shipbuilding on the Great Lakes. Included are marine engine development, the defense shipbuilding programs, yachting, deep sea diving and an authentic waterfront streetscape in old Manitowoc. The streetscape honors the old companies which helped Manitowoc become a progressive city. Facades of such companies as the Albert Landreth Company, Packers of Lakeside Peas, Pere

Marquette Railroad and Steamship Lines Offices, and William Rahr and Sons are recreated with authentic texture and materials.

Films, lectures and special events take place in the learning center. School groups and families are encouraged to attend.

Volunteers, many of whom are old-timers proud of their knowledge from first-hand experience in maritime history, are available as tour guides. Parking is available for staff, volunteers and visitors on a surface lot adjacent to the building. Attendance to the Manitowoc Maritime Museum has doubled since opening of the new building in January 1987. It has rapidly grown to become the leader of maritime museums on the Great Lakes.

*By Patricia Keating
Photography: Ed Purcell*



ASBESTOS:

You Don't Have Time to Waste.

There is no question about it. Asbestos is a health hazard. You may be exposed and not even know it. It's like sitting on a time bomb. Prolonged exposure to asbestos in a home, school or work place can lead to cancer or other asbestos-related diseases.

The danger is real. You need to take action.

You need IRL.

IRL has all the qualifications necessary to identify the problem and eliminate it safely and efficiently.

IRL is fully insured, EPA trained and uses

certified abatement technicians. We maintain the strictest safety standards by bulk air sampling of suspect areas, isolating contaminated areas during the abatement, and disposing of all asbestos removed. And, because these safety standards are followed, you can usually stay open throughout the entire abatement procedure.

At IRL your health is our main concern. We want to protect it for years to come.

If you're concerned that you may have an asbestos problem, call IRL. Don't put it off.

You don't have time to waste.





NOBODY OFFERS A MORE WELL-ROUNDED LINE OF WINDOWS.

Marvin Windows will make Round Top windows in virtually any shape and size. Quarter rounds. Half rounds. Ellipticals. Transoms. Ovals. Circles. Gothic windows.

In fact, if Marvin can't build the window you're looking for, it probably can't be built.

But while each Marvin Round Top looks different from the next one, they're all made the same way. Carefully. One at a time. To your specifications.

So whether you're restoring a home or just want a window design that you can call your own, Marvin will make windows to order.

Builders World, Inc.

P.O. BOX 881, WAUKESHA, WISCONSIN 53187
(414) 542-8883 (800) 242-2206



Klipstein Insurance Services

- I. We are the exclusive representative in the state of Wisconsin for Design Professional Insurance Company.
- II. We also represent **all** the available **markets** for professional liability insurance.
- III. Services provided:
 - A. **Contract** Review
 - B. Comparison of Professional Liability Insurance policies
 - C. Monitor claims
 - D. Conduct In House Loss Prevention seminars

Contact: Paul Berta

216 North Midvale Boulevard
P.O. Box 5566 • Madison, WI 53705-0566
608-238-7181

COUNT YOUR BLESSINGS AND EAT YOUR TURKEY - IT'S THE THANKSGIVING TIME OF YEAR.

THANKS!

... FOR YOUR CALLS AND LETTERS DURING 1987. WHETHER YOU WERE INTERESTED IN PRODUCT AND ENGINEERING DATA FOR SKYLIGHTS, GREENHOUSES AND SOLARIUMS OR STRUCTURAL ENGINEERING SERVICES,

YOU MADE OUR DAYS!

*Fred L. Holtzman
Constance Laline*



WISCONSIN SOLAR DESIGN

Holtzman Associates

(414) 444-1639 (608) 831-2112

Janco

Glass

Structures

Greenhouses • Solariums • Skylights



Architectural

Interior

Landscape

Computer Generated

Purcell Imaging

Purcell Imaging, Ltd. (414) 964-0977

Project

Addition to St. John United Church of Christ

Architect

Kubala Washatko Architects, Inc.

General Contractor

J.B.J. Construction, Inc.

Location

Germantown, Wisconsin

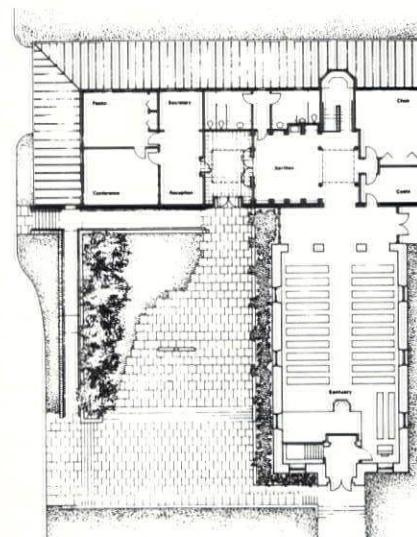


The church's main concerns were the lack of areas for socializing before and after services, as well as shortage of space for meetings, receptions, and other social functions. Our scheme adds to the church without taking away from the iconographic power of the original structure.

The addition faces the south and is arrayed behind a stone wall which acts as a plane of division between old and new. In the church proper, the altar

has been moved from the south end to the north, and the nave has been enlarged by a glassy transition zone with cemetery access. A skylit aedicula mediates between sanctuary, narthex, and the stairway to the fellowship hall. The intention throughout was to foster fellowship without detracting from the purity and grace of the original church.

Photography: Mark Heffron



Entry Level



THE REALLY GREAT WALL.

If the Chinese had had S & S Sales Corporation available to them in 200 B.C., they wouldn't have had to settle for just a Great Wall. They could have had a *really* great wall with the beauty, strength, durability and energy efficiency of exterior panels from S & S. And, because of their flame-retardant properties, they wouldn't have had to contend with any of

that nasty fire-breathing dragon graffiti either!

Stonecast by Sanspray; Stonehenge, Klefstone and Permatone S by Manville. Weyerhaeuser Panel-15; Masonite Flame Test; Granex Composite Stone Panels... the Seven Wonders of the World. And S & S has them all. As well as the expertise to serve as a consultant to you and your contractors

and the innovation to solve problems at any stage of construction, including design.

A very wise man once said: "It is far better to call S & S today than to have to call for help tomorrow." Not Confucius, perhaps. But still very wise.

S & S
sales
CORPORATION
There is no equal.

A Vision of Milwaukee

Milwaukee is at yet another corner on its long historic and architecturally rich road. It is an exciting time. It is a challenging time. It is a time of change. Milwaukee, like many of its Midwest counterparts, is transforming from a working class town to a high-tech service orientated community.

Struggling to keep a strong business base and yet not disturb that strong ethnic neighborhood since that is the foundation for most people's image of this city. Milwaukee, that little big town, has enjoyed well managed government and a reputation of a place where people listen and care.

Milwaukee promotes its diversity.

One of the strong threads in the fabric of Milwaukee's past and present history is its architectural community and their commitment to Milwaukee's development. Planners are confronted with developing a master plan that promotes new development while incorporating the historic past.

We visualize a Milwaukee that promotes itself without being apologetic for that homespun attitude that makes it a livable city.

We visualize a city that rallies around its proudest physical and natural attributes — the lakefront, the downtown, the river and its numerous historic neighborhoods.

We visualize the involvement of all people in this new design and development awareness. People of all neighborhoods.

We visualize a city that develops its neighborhoods, improves its housing stock and concerns itself with its homeless and displaced citizens.

We visualize a city that turns inward to solve problems rather than ignoring them and move to the suburbs.

We visualize a city that cleans up its finest natural environs, utilizes them for business and recreation and never takes them for granted again.

Attract the best, keep that feeling of roots and be proud of it. The architectural community is an important block in the foundation of Milwaukee's history and future development.

EDITOR: This vision of Milwaukee was presented as an introduction to the Mayoral Candidate Forum sponsored by the Southeast Chapter/WSA as part of its Architecture Week activities.

People's Choice Award

Do you ever wonder what real people think about projects designed by Wisconsin architects? For the second consecutive year the WSA Honor Award non-winning entries were juried by a group of non-architects to determine the perception of these projects by users, potential clients and regular folks.

Wayne E. Spangler, FAIA, coordinated this awards program again this year. Wayne pulled together over 40 "People's Choice" jurors. These jurors spent considerable time reviewing the plans, photos and project descriptions for approximately 50 projects. A total of 15 projects were selected to receive this award in 1987.

What did the jurors see in these projects? The following are some examples: "Bold, eye-catching exterior" . . . "Very compatible to surrounding architecture" . . . "Interior has warm and inviting appeal" . . . "A facility of which the local community can be proud" . . . "Fine old building is again a viable part of the community" . . . "Special attention to details" . . . "Striking design."

Due Credit

WSA members Mike Vander Werff, AIA, and Jack Fischer, AIA, were sick and tired of seeing newspaper articles containing photographs and drawings of projects without any credit given to the architect involved.

Rather than just sit and stew about the situation, these gentlemen (working independently) took it upon themselves to contact the editor of the local paper, the *Appleton Post Crescent*. It was pointed out to the editor that the con-

struction industry is a big employer in the area, representing a large share of the paper's readership, and it would be appropriate for the paper to provide credit where credit is due. Also pointed out was the fact that in many instances the drawings and plans of a project published in the paper are copywritten.

The two architects suggested that when the paper runs a story on a building project it provide some recognition for the architect and contractor as well as the owner/developer. Lo and behold, it now is the official policy of the paper to publicize, when available, the architect/engineer and contractor of record as part of any story on a building project.

The moral of this story is that WSA members can and do make a difference in making sure that the profession receives the recognition it deserves. Mike and Jack . . . thanks for a job well done.

A recent newsletter of the New York Chapter of the AIA discussed this publicity problem. It contained the following checklist of things you can do to increase public awareness and respect for the profession:

- Require, in all contracts, that any and all public relations about the project mention your name, specifying the designation "architect" and using your AIA affiliation.
- In interviews, request that the interviewer identify you as a licensed architect.
- Make sure that all your firm's press releases identify the licensed principals and correctly delineate titles and responsibilities. Include a request that the designation "Architects" be used to identify the firm if it is not already part of your title.

- Insist that any coverage of your firm's various non-architectural departments note that employees are under direct supervision of the licensed principals.

- Express your concern or objection to the editor when an architectural credit is omitted. In your correspondence, ask who the architect is and request that a correction be printed in the next edition.

- Write to the editor when others are incorrectly identified. Ask who the architect-of-record is if a design firm is credited with architectural work. If someone is called an architect and you know that he or she is not licensed, write and express your concern.

In sum, do not take assault on your profession lying down. Speak up, write and voice your concern. You, too, can make a difference.

Board Notes

At its October meeting in Green Bay, the WSA Board of Directors unanimously elected the following officers for 1988: Dennis L. Olson, AIA, as Vice President/President-Elect and Jerold Dommer, AIA, as Secretary/Treasurer. These two gentlemen will serve with 1988 President H. James Gabriel, AIA, and Past President Robert D. Cooper, AIA, as members of the 1988 WSA Executive Committee. Congratulations.

The winners of the Director-At-Large election for 1988 also were announced. The three individuals beginning their two-year term on the WSA Board of Directors in 1988 are: Mark A. Pfaller, FAIA; Richard Eschner, AIA; and James E. Larson, AIA.

WAF Report

New officers were elected and a 1987-88 budget was approved at the recent meeting of the Board of Directors of the Wisconsin Architects Foundation (WAF). WAF officers for 1987-88 are: Tom Nisbet, AIA, President; Bob Yarbro, AIA, Vice President; and David Gaarder, AIA, Secretary/Treasurer. The adopted budget for the current fiscal year contains over \$10,000 in scholarships and donations.

Established in 1954, the WAF has provided in excess of \$120,000 to over 150 students. Thanks to the contributions from architects and others in the construction industry, the WAF's endowment has grown to over \$109,000.

Increasing contributions and investment income have enabled the WAF to increase its annual support of architectural education and public outreach programs. This year the WAF began the development of a new effort to broaden its base of financial support. The goal of the new fundraising campaign, called "Campaign 300," is to build an endowment sufficient to provide \$25,000 in annual scholarships to architectural students. For information about the WAF and "Campaign 300" contact WAF Executive Director Bill Babcock.

Gruenhagen Honored

The Wisconsin Society of Architects has awarded a Citation for Distinguished Service to the profession of architecture to Jack Gruenhagen and Master Blue Print, Inc., of Madison. This Citation was presented in recognition and appreciation of the consistent and long-term support provided by Jack and his company for the annual High School Design Competition sponsored by the Southwest Chapter of the WSA. The members of the WSA applaud Jack Gruenhagen for his support of this annual competition which promotes architectural awareness and education.

One-Armed Ghost

In 1984, the Wisconsin Architects Foundation successfully completed substantial restoration of the Joseph J. Stoner House in Madison. This National Landmark now serves as permanent headquarters of both the WAF and the WSA.

Each year around Halloween the WSA office fields numerous inquiries about a one-armed ghost which according to local folklore is supposed to haunt the Stoner House. As the story goes, the ghost of Mr. Varley Bond, who owned and occupied the house from 1922 until his death in 1950, can be seen looking out at Lake Monona from a second story window. This supposedly is the same window he watched from while his only son drowned.

The WSA staff does not question the existence of the ghost, and it could be Mr. Varley Bond. However, Mr. Bond's daughter-in-law got a chuckle out of the story. Mary Ann Bond of Colorado Springs, the wife of Varley's son Walter, recently stopped for a tour of the Stoner House with her son Douglas. She hadn't been back to Madison since the 1950's when she stayed at the house while attending the UW-Madison. She was impressed with the restoration . . . but snickered a bit when told of the story behind the one-armed ghost.

People & Places

Congratulations to William Weeks. Due to his many years as an AIA member, his classification has been changed to Member Emeritus. Thanks Bill for the many years of support and participation.

Membership Action

Thienel, J. Michael, was approved for Associate membership in the Northeast Wisconsin Chapter.

Marne, Bruce F., was approved for AIA Membership in the Southeast Wisconsin Chapter.

Emanuelson, Lonny, was approved for AIA Membership in the Northeast Wisconsin Chapter. Lonny transferred from Illinois.

Fong, Wai Ki, was approved for Associate Membership in the Southeast Wisconsin Chapter.

Nason, Daniel B., was approved for Professional Affiliate in the Southwest Wisconsin Chapter.

Schwenn, Barbara E., was approved for Professional Affiliate in the Southwest Wisconsin Chapter.

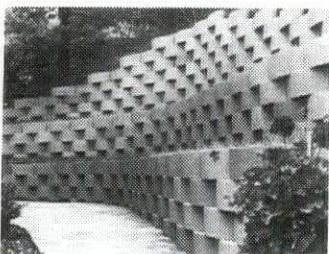
Krueger, Harry J., was approved for Professional Affiliate in the Southwest Wisconsin Chapter.

Mueller, Paul C. was approved for Associate Membership in the Southeast Wisconsin Chapter.

Striebel, Daniel F., was approved for Professional Affiliate in the Southwest Wisconsin Chapter.

ROCKWOOD

RETAINING WALLS



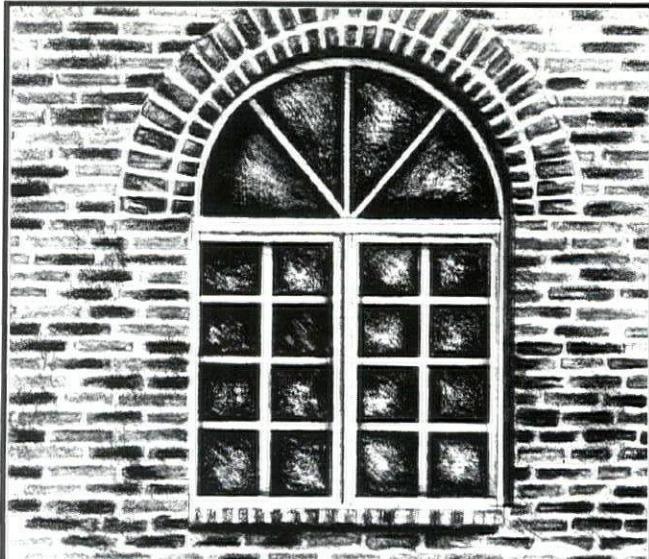
Patios • Planters • Sidewalks



*Natural
Beautiful
Economical
Easy to Install*

*Contact us
today!*

RSI Industries, Inc.
7200 N. Hwy 63
Rochester, MN 55904
507-288-8211
1-800-228-7456



Pella.

**The significant difference
in windows and doors.**

Custom built windows, doors and skylights
to your specifications.

Green Bay	800-242-1008
Madison	800-362-6601
Mequon	800-433-1335
Milwaukee	800-242-6212
Oshkosh	800-231-7450
Racine	800-472-8686

 VerHalen, Inc.

A WISCONSIN TRADITION OF
QUALITY FOR OVER 80 YEARS

Brick

Block

Pavers

Stone

 THORO
SYSTEM
PRODUCTS, INC.

W. R. MEADOWS
SEALIGHT

American
Olean
Tile

 Sonneborn
building products

 astra-glaze
glazed masonry units

 WISCONSIN
BRICK & BLOCK
CORPORATION

6399 NESBITT RD MADISON, WI 53719
(608) 845-8636

**CONTRACTORS
ARCHITECTS
ENGINEERS**

Plan To Attend



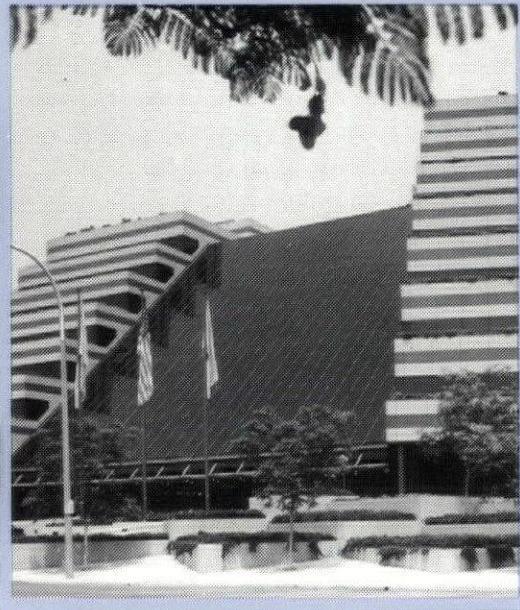
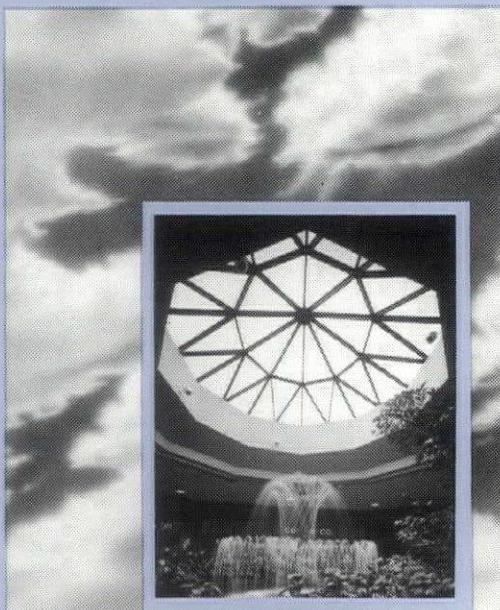
COMMERCIAL BUILDER'S SHOW

January 27-28, 1988

GREEN BAY EXPO CENTRE

Over 200 exhibitors featuring
the latest industry trends
and technology

TO PRE-REGISTER, CALL:
Michael Clegg, Event Coordinator
(414) 494-9507



S, M, L, XL. One skylight manufacturer fits all sizes.

Super Sky is the world's largest manufacturer of custom aluminum and glass skylight systems. No challenge is too large to exceed our capacity. And none too small to merit our attention. If you'd like to see how Super Sky can fit in with your plans, contact our representative.



David Fogelstrom & Assoc., Inc.
675 N. Brookfield Rd.
Brookfield, WI 53005
(414) 782-7713

SUPER SKY PRODUCTS, INC., 10301 North Enterprise Dr., Mequon, Wisconsin 53092 (414) 242-2000 Telex 4311037 SSPIMEZ



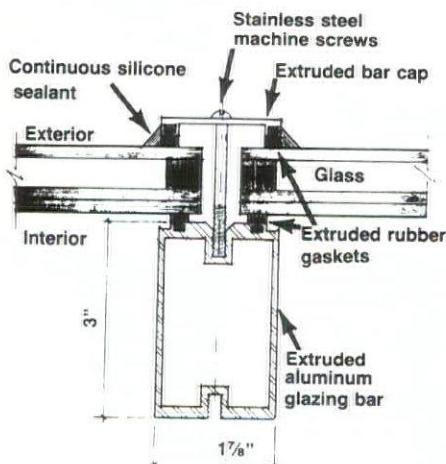
■ What is QBS?

QBS stands for Qualification Based Selection. It entails a fair and equitable step-by-step process that will facilitate the owner's selection of a design professional based on qualifications and competence in relation to the scope of the project. The WSA has an experienced and knowledgeable QBS Facilitator on staff to assist owners in establishing a selection process tailored to their particular needs.

321 S. Hamilton St., Madison, WI 53703 608-257-8477 1-800-272-4483

Marketplace

Skylight Glazing System



WISCONSIN SOLAR DESIGN'S extruded aluminum glazing system facilitates custom designs for unique shapes and sizes of slope galzing, greenhouses, solariums and custom skylights. The system has a PPG polycron III finish available in a wide variety of colors. The glazing gaskets are extruded rubber with a silicon final seal. The system accommodates all glass thicknesses and types. Write or call for specifications, preliminary pricing and samples. WISCONSIN SOLAR DESIGN, 6349 Briarcliff Lane, Middleton, WI 53562 (608) 831-2112 or (414) 444-1639



When specifying the plumbing fixtures for a project, the possibilities may seem endless. But whatever your needs, Kohler Co., has it. Kohler's Commercial Product Catalog is complete with black and white photos, product descriptions and roughing-in dimensions — the ideal desktop reference for architects, mechanical engineers and interior designers.

Products in the catalog are divided into categories — faucets, toilets and bidets, lavatories, etc. — to allow quick and easy reference. Product dimensions are given in both inches and millimeters to facilitate installation calculations.

For a copy of Kohler's Commercial Product Catalog write: Kohler Co., Attn: Dianne Conrardy, Mailing Dept., Kohler, Wis. 53044

LIBRA Corporation has announced its line of construction accounting software for IBM's new generation of personal computing - the IBM Personal System/2. IBM's PS/2 models include features on the mother board that were additional cards on IBM's previous

personal computers. Some of these features include multi-color graphics array, display port, serial, parallel and pointing device ports. The Video Graphics Adapter (VGA) provides an interface to enhanced graphics, color graphics and monochrome displays.



LIBRA construction software includes integrated modules for Accounts Payable, Accounts Receivable, Billing, General Ledger, Inventory, Job Costing, Order Entry, Payroll, and Property Management. LIBRA markets through a nationwide distributor network. For more information call David Norby, 7609 E. Elmwood Ave., Middleton, WI 53562 608-836-3436.

ADVERTISER'S INDEX

Arnold & O'Sheridan, Inc.	39
Auer Steel & Heating	
Supply Co.	6, 18
Automatic Temperature Supplies	Insert
Baker Mfg. Co.	Insert
Bend Industries, Inc.	4
John Buhler Co.	20
Builders World	30
Dolan & Dustin, Inc.	39
David Fogelstrum & Assoc. . .	37
Graef, Anhalt, Schloemer Assoc., Inc.	39
Green Bay Convention Bureau	36
HK Engineering, Inc.	39
Holand & Kurtz, Inc.	39
Kerscher Metal Service Co. .	6, 18
Klipstein Insurance Service	30
Kohler Co.	Insert
LaForce Hdw. & Mfg. Co.	39
Landscape Forms	24
Milwaukee Plumbing & Htg. Supply	Insert
Monroe Equipment, Inc.	2
Murphy Supply Co.	Insert
W.S. Patterson Co.	Insert
PBBS Equipment Corp.	24
J.W. Peters & Sons, Inc.	9
Photocopy, Inc.	39
Purcell Imaging, Ltd.	30
Steve Quinn Design	20
RSI Industries	36
S & S Sales Corp.	25, 32
STS Consultants, Ltd.	39
Temperature Systems, Inc. .	6, 18
United Brick & Block	39
United Plumbing & Htg. Supply	Insert
Velux-America, Inc.	12
Ver Halen, Inc.	36
Weather-Tek Building Supplies	20
Wick Buildings	24
Wisconsin Blue Flame Council	6, 18, 2
Wisconsin Brick & Block Corp.	36
Wisconsin Concrete & Products Assn.	40
Wisconsin Electric Co.	8
Wisconsin Solar Design	30
Wisconsin Testing Laboratories	39

This index is published at no cost to advertisers, as a service to readers of WISCONSIN ARCHITECT. Publisher assumes no responsibility for errors or omissions. When writing to advertisers, tell them you saw their message in WISCONSIN ARCHITECT. They want to know.

PROFESSIONAL SERVICE DIRECTORY



Consulting Engineers

- Subsurface Exploration
- Foundation Analysis
- Ground Improvement
- Construction Monitoring

STS Consultants Ltd.

Green Bay, WI (414) 494-9656 • Milwaukee, WI (414) 354-1100



TESTING LABORATORIES

Geotechnical Engineers

Soil Borings

Materials Testing & Inspection

Menomonee Falls, WI 53051 • (414) 252-3300



DOLAN & DUSTIN, INC.

CONSULTING ENGINEERS

2266 N. PROSPECT AVENUE MILWAUKEE, WIS. 53202
(414) 276-5502

Electrical Power • Primary & Secondary Distribution
Lighting Design • Security & Communications Systems
Grounding • Emergency Generation • Uninterruptible Power

George E. Dolan, PE
Gerald E. Braun, PE
Charles M. Mullikin, PE

Roger A. Nass, PE
Arthur L. Miller, PE
Richard Gumpert, PE



CONSULTING ENGINEERS

ENGINEERS INC

- HVAC
- Electrical
- Plumbing
- Energy Management
- Fire Protection
- Construction Management

3240 University Avenue
Madison, WI 53705

608-233-3979



ARNOLD AND O'SHERIDAN, INC.
CONSULTING ENGINEERS

Structural Electrical
Mechanical Civil

608-271-9651
815 FORWARD DRIVE MADISON, WI 53711
414-461-9040
3720 N. 124TH MILWAUKEE, WI 53222

Holland & Kurtz Inc.



Consulting Engineers

HEATING • VENTILATION • AIR CONDITIONING
PLUMBING • FIRE PROTECTION

6619 W. Capitol Drive • Milwaukee, Wisconsin 53216
(414) 463-1600

THIS SPACE
COULD BE YOURS!
CALL: 1-608/257-8477

• Black & White Murals • 8x10 Glossy Repros
• We Reproduce Blueprints or Masters For
Making Blueprints

PHOTOCOPY

104 East Mason St. Milwaukee, Wisconsin 53202

For Service . . .

CALL: 1-(414)-272-1255

We at United Brick invite you to stop in and see our newly remodeled showroom with a complete selection of:

Face Brick in many colors & textures

- Thin Brick-Thin Stone
- Patio Brick
- Chimney Block-Cement Block

Superior Zero Clearance Fireplaces

Ceramic Wall-Floor Tile

- 1x1-24x24
- Grouts by H.B. Fuller
- Marble-Granite-Porcelain
- Quarry Tile



brick & block, inc.
5402 Lien Rd. Madison, WI
608-241-3844

LA FORCE

A TRADITION OF QUALITY



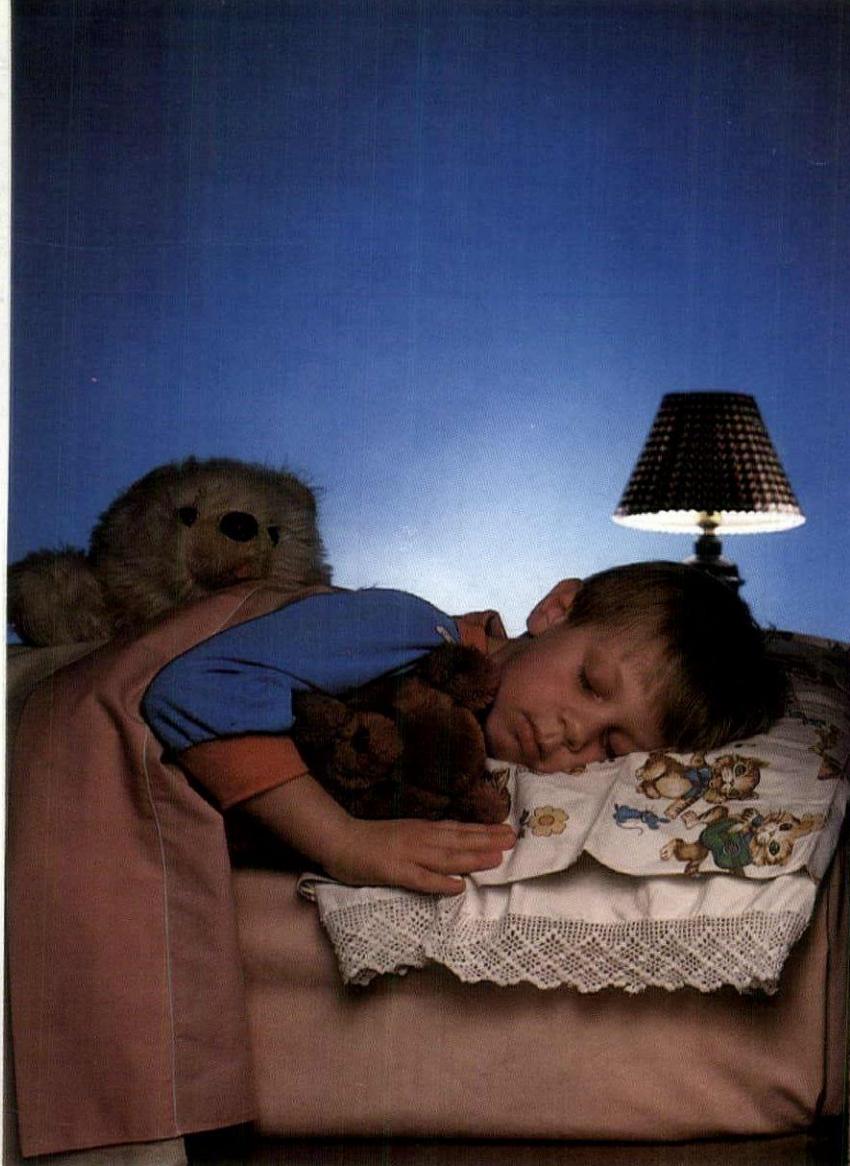
Whatever you can design . . .
we are the people who can supply it!

- HOLLOW METAL DOORS & FRAMES
- BUILDERS HARDWARE
- WOOD DOORS
- TOILET PARTITIONS
- TOILET ACCESSORIES
- BUILDING SPECIALTIES

Let us be the source for your needs.

LA FORCE
Hardware & Manufacturing Co.
1060 W. Mason St., Green Bay, WI 54303
(414) 497-7100

THE REPUTATION YOU CAN BUILD ON



A FAST, ECONOMICAL WAY TO A TWO-HOUR FIRE RATING.

Fire barriers between multiple dwelling units needn't be assembled with cook-book type instructions, paper-mache elements and lots of luck. By using concrete masonry walls, you can get a two-hour fire rating in a wall as slim as 3 $\frac{1}{2}$ " — weighing as little as 28 pounds per square foot — with the added plus of high STC ratings for occupant acoustical privacy.

And the masonry installation is simple, just one concrete block laid in mortar in a running bond on top of another concrete block. The work is all done by the same craftsman for the height of the wall and it is

easily inspected for potential deficiencies. This same ease of inspection is not available with the multi-phase, layered, paper-mache type of fire wall. (An 8 foot high fire wall built of standard 8" ASTM C-90 concrete block with type-N mortar can carry a concentric load of 5,800 pounds per lineal foot. Most fire-rated drywall walls are non-loadbearing.)

Come to think about it...have you ever seen a masonry wall burn? That is something to think about, the next time you build a stairwell or elevator shaft.

MCAC

MULTIFAMILY CONSTRUCTION ADVISORY COMMITTEE OF WISCONSIN
N80 W13385 River Park Drive • Menomonee Falls, WI 53051